10/763,076

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FILE 'HOME' ENTERED AT 11:17:31 ON 25 MAY 2007

=>  file biosis medline caplus wpids uspatfull
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CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

*** YOU HAVE NEW MAIL ***

=> s aphenylic (5a) rhodamine
L1           10 APHENYLIC (5A) RHODAMINE

=> dup rem l1
PROCESSING COMPLETED FOR L1
L2           10 DUP REM L1 (0 DUPLICATES REMOVED)

=> d l2 bib abs 1-10

L2   ANSWER 1 OF 10  USPATFULL on STN
AN     2006:202424  USPATFULL
TI     Labeling reagents and labeled targets comprising nonmetallic porphyrins
IN     Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
       Rabbani, Elazar, New York, NY, UNITED STATES
PA     Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., New York, NY, UNITED
       STATES (U.S. corporation)
PI     US 2006172308       A1  20060803
AI     US 2004-763088      A1  20040122 (10)
RLI    Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT     Utility
FS     APPLICATION
LREP   ENZO BIOCHEM, INC., 527 MADISON AVENUE (9TH FLOOR), NEW YORK, NY, 10022,
       US
CLMN   Number of Claims: 19
ECL    Exemplary Claim: 1
DRWN   15 Drawing Page(s)
LN.CNT 3541
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB     This invention provides for labeling reagents, labeled targets and
       processes for preparing labeling reagents. The labeling reagents can
       take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin
       dyes or composite dyes. These labeling reagents are useful for labeling
       probes or targets, including nucleic acids and proteins. These reagents
       can be usefully applied to protein and nucleic acid probe based assays.
       They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
```

L2 ANSWER 2 OF 10 USPATFULL on STN
AN 2005:5243 USPATFULL
TI Novel chemiluminescent reagents
IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabbani, Elazar, New York, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, 10022 (U.S. corporation)
PI US 2005004350 A1 20050106
AI US 2004-764388 A1 20040123 (10)
RLI Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP Ronald C. Fedus, Esq., Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., 527 Madison Avenue (9th Floor), New York, NY, 10022-4304
CLMN Number of Claims: 17
ECL Exemplary Claim: CLM-1-286
DRWN 15 Drawing Page(s)
LN.CNT 3601
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for labeling reagents, labeled targets and processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 3 OF 10 USPATFULL on STN
AN 2004:321700 USPATFULL
TI Labeling reagents comprising aphenylic analogs of rhodamine dyes
IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabbani, Elazar, New York, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY (U.S. corporation)
PI US 2004254355 A1 20041216
AI US 2004-763076 A1 20040122 (10)
RLI Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP Ronald C. Fedus, Esq., Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., 527 Madison Avenue (9th Floor), New York, NY, 10022-4304
CLMN Number of Claims: 286
ECL Exemplary Claim: 1
DRWN 15 Drawing Page(s)
LN.CNT 4545
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for labeling reagents, labeled targets and processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 4 OF 10 USPATFULL on STN
AN 2004:292946 USPATFULL
TI Heterodimeric dye composition
IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabban, Elazar, New York, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, UNITED STATES, 10022 (U.S. corporation)

PI US 2004230036 A1 20041118
AI US 2004-764389 A1 20040123 (10)
RLI Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP Ronald C. Fedus, Esq., Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., 527 Madison Avenue (9th Floor), New York, NY, 10022-4304
CLMN Number of Claims: 286
ECL Exemplary Claim: 1
DRWN 15 Drawing Page(s)
LN.CNT 4541
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for labeling reagents, labeled targets and processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 5 OF 10 USPATFULL on STN
AN 2004:292164 USPATFULL
TI Novel dye labeling composition
IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabbani, Elazar, New York, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, 10022 (U.S. corporation)
PI US 2004229248 A1 20041118
US 6949659 B2 20050927
AI US 2004-764393 A1 20040123 (10)
RLI Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP Ronald C. Fedus, Esq., Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., 527 Madison Avenue, 9th Floor, New York, NY, 10022-4304
CLMN Number of Claims: 4
ECL Exemplary Claim: CLM-1-286
DRWN 15 Drawing Page(s)
LN.CNT 3537
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for labeling reagents, labeled targets and processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 6 OF 10 USPATFULL on STN
AN 2004:260541 USPATFULL
TI Process for preparing novel cyanine dye labeling reagents
IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabbam, Elazar, New York, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, 10022 (U.S. corporation)
PI US 2004203038 A1 20041014
AI US 2004-761906 A1 20040121 (10)
RLI Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP Ronald C. Fedus, Esq., Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., 527 Madison Avenue (9th Floor), New York, NY, 10022-4304

CLMN Number of Claims: 15
ECL Exemplary Claim: CLM-1-286
DRWN 15 Drawing Page(s)
LN.CNT 3584
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for labeling reagents, labeled targets and processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 7 OF 10 USPATFULL on STN
AN 2004:248291 USPATFULL
TI Process for detecting the presence or quantity of enzymatic activity in a sample
IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabbani, Elazar, New York, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, UNITED STATES, 10022 (U.S. corporation)
PI US 2004192893 A1 20040930
AI US 2004-764417 A1 20040123 (10)
RLI Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP Ronald C. Fedus, Esq., Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., 527 Madison Avenue (9th Floor), New York, NY, 10022-4304
CLMN Number of Claims: 36
ECL Exemplary Claim: CLM-1-286
DRWN 15 Drawing Page(s)
LN.CNT 3665
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for labeling reagents, labeled targets and processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 8 OF 10 USPATFULL on STN
AN 2004:228200 USPATFULL
TI Process for detecting the presence or quantity of enzymatic activity in a sample
IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabbani, Elazar, New York, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, UNITED STATES (U.S. corporation)
PI US 2004176586 A1 20040909
US 7163796 B2 20070116
AI US 2004-764418 A1 20040123 (10)
RLI Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP Ronald C. Fedus, Esq., Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., 527 Madison Avenue (9th Floor), New York, NY, 10022-4304
CLMN Number of Claims: 286
ECL Exemplary Claim: 1
DRWN 15 Drawing Page(s)
LN.CNT 4543

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention provides for labeling reagents, labeled targets and processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 9 OF 10 WPIDS COPYRIGHT 2007 THE THOMSON CORP on STN
AN 2004-055097 [06] WPIDS
CR 2003-723476
DNC C2004-022436 [06]
DNN N2004-044609 [06]
TI Labeling reagent useful for e.g. determining the amount of nucleic acid in a sample comprises a marker moiety and a reactive group covalently linked together
DC B04; D16; E24; S03
IN RABBAM E; RABBAN E; RABBANI E; STAVRIANOPOULOS J G
PA (ENZO-N) ENZO LIFE SCI INC; (RABB-I) RABBANI E; (STAV-I) STAVRIANOPOULOS J G
CYC 34
PIA EP 1348713 A2 20031001 (200406)* EN 102[15]
CA 2421552 A1 20030912 (200406) EN
JP 2004004048 A 20040108 (200406) JA 245
US 20030225247 A1 20031204 (200406) EN
US 20040176586 A1 20040909 (200459) EN
US 20040192893 A1 20040930 (200465) EN
US 20040203038 A1 20041014 (200468) EN
US 20040229248 A1 20041118 (200477) EN
US 20040230036 A1 20041118 (200477) EN
US 20040254355 A1 20041216 (200482) EN
US 20050004350 A1 20050106 (200504) EN
US 6949659 B2 20050927 (200563) EN
US 20060172308 A1 20060803 (200651) EN
US 7166478 B2 20070123 (200708) EN
ADT EP 1348713 A2 EP 2003-4894 20030306; US 20030225247 A1 US 2002-96075 20020312; US 20040176586 A1 Div Ex US 2002-96075 20020312; US 20040192893 A1 Div Ex US 2002-96075 20020312; US 20040203038 A1 Div Ex US 2002-96075 20020312; US 20040230036 A1 Div Ex US 2002-96075 20020312; US 20040229248 A1 Div Ex US 2002-96075 20020312; US 20040254355 A1 Div Ex US 2002-96075 20020312; US 20050004350 A1 Div Ex US 2002-96075 20020312; US 6949659 B2 Cont of US 2002-96075 20020312; US 20060172308 A1 Div Ex US 2002-96075 20020312; CA 2421552 A1 CA 2003-2421552 20030311; JP 2004004048 A JP 2003-114988 20030311; US 20040203038 A1 US 2004-761906 20040121; US 20040254355 A1 US 2004-763076 20040122; US 20060172308 A1 US 2004-763088 20040122; US 20050004350 A1 US 2004-764388 20040123; US 20040230036 A1 US 2004-764389 20040123; US 20040229248 A1 US 2004-764393 20040123; US 6949659 B2 US 2004-764393 20040123; US 20040192893 A1 US 2004-764417 20040123; US 20040176586 A1 US 2004-764418 20040123; US 7166478 B2 US 2002-96075 20020312
PRAI US 2002-96075 20020312
US 2004-761906 20040121
US 2004-763076 20040122
US 2004-764388 20040123
US 2004-764389 20040123
US 2004-764393 20040123
US 2004-764417 20040123
US 2004-764418 20040123
US 2004-763088 20040122
AN 2004-055097 [06] WPIDS
CR 2003-723476

AB EP 1348713 A2 UPAB: 20060120
NOVELTY - A labeling reagent comprises a marker moiety and a reactive group covalently linked together.

DETAILED DESCRIPTION - A labeling reagent of formula (MR) (i) comprises a marker moiety and a reactive group covalently linked together.

M = marker moiety comprising ligand and/or dye; and

R = reactive group capable of forming a carbon-carbon linkage with the target.

INDEPENDENT CLAIMS are included for the following:

(a) a labeled target labeled by reacting target with (i) to form a carbon-carbon linkage between the target and (i);

(b) preparation of cyanine dye labeling reagent of formula (I) involving forming a mixture comprising intermediate compounds of formulae (Ia) and (Ib), and linking reagents to link (Ia) and (Ib);

(c) a labeled nucleotide comprising an aphenylic analog of a rhodamine dye, which is attached directly to the nucleotide or indirectly through a linker;

(d) a heterodimeric dye composition (C1) comprising a dye (a) containing a phenanthridinium moiety and another dye (b) different from (a) and attached through the phenyl ring of the phenanthridinium moiety;

(e) determining the amount of nucleic acid in a sample involving: 1a) forming a mixture of the sample; a dye comprising two phenanthridinium moieties linked through a phenyl group in each of the two moieties, or a dye of formula (IV) - (VII), or (C1); and reagents for carrying out dye binding, hybridization and/or strand extension to produce a complex comprising the dye and any nucleic acid present in the sample; 2a) illuminating the mixture formed at wavelength below 400 nanometer (nm); and 3a) measuring fluorescent emission from the illuminated mixture, the emission being proportional to the quantity of the nucleic acid present in the sample;

(f) a composition comprising at least one of (IV) - (VII);

(g) a chemiluminescent reagent of formula (VIII) or (IX);

(h) detecting the presence or quantity of enzymatic activity in a sample involving: 1b) either forming a mixture of the sample, (VIII) or (IX) and reagents and buffers for carrying out chemiluminescent reactions; or contacting (VIII) or (IX) and the reagents and buffers with the sample; 2b) enzymatically converting (VIII) or (IX) into an unstable light-emitting dioxetane form; and 3b) measuring the quantity of light generated by the enzymatic conversion; and

(i) a dye composition comprising a compound of formula Rc-Fluorescent Dye.

Q = (poly)cycloalkyl;

Z = H, aralkyl, alkaryl, (hetero)alkyl, (hetero)aryl, cycloalkyl or cycloheteroalkyl;

R1a and R2a = chemical moieties;

Ra = chemical linker;

Rb = substrate for non-cleaving enzymatic process;

Rc = unsaturated aliphatic groups, unsaturated heterocyclic groups and/or aromatic groups.

R1a is enzymatically converted into R1b, which comprises a chemical reactive group G1. R2a is attached to the cyclic ring through an oxygen atom and comprises a chemical reactive group G2, which reacts with the G1 to convert the dioxetane to an unstable light-emitting dioxetane form. The product of enzymatic process leads to further chemical rearrangement that generate an unstable light emitting dioxetane form. Rc is capable of providing a conjugated system or an electron delocalized system with the fluorescent dye.

USE - For labeling a target; for determining the amount of nucleic acid in a sample; and for detecting the presence or quantity of enzymatic activity in a sample (claimed); and in protein and nucleic acid probe based assays.

L2 ANSWER 10 OF 10 USPATFULL on STN
AN 2003:319498 USPATFULL

TI Labeling reagents and labeled targets, target labeling processes and other processes for using same in nucleic acid determinations and analyses

IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabbani, Elazar, New York, NY, UNITED STATES

PI US 2003225247 A1 20031204
US 7166478 B2 20070123
AI US 2002-96075 A1 20020312 (10)
DT Utility
FS APPLICATION
LREP ENZO LIFE SCIENCES, INC., c/o ENZO BIOCHEM, INC., 527 Madison Avenue, 9th Floor, New York, NY, 10022
CLMN Number of Claims: 286
ECL Exemplary Claim: 1
DRWN 15 Drawing Page(s)
LN.CNT 4499
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention provides for labeling reagents, labeled targets and processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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     (FILE 'HOME' ENTERED AT 11:17:31 ON 25 MAY 2007)

     FILE 'BIOSIS, MEDLINE, CAPLUS, WPIDS, USPATFULL' ENTERED AT 11:17:58 ON
     25 MAY 2007
L1            10 S APHENYLIC (5A) RHODAMINE
L2            10 DUP REM L1 (0 DUPLICATES REMOVED)

=> s rhodamine and aphenylic
L3            17 RHODAMINE AND APHENYLIC

=> s l3 and xanthene
L4            15 L3 AND XANTHENE

=> dup rem l4
PROCESSING COMPLETED FOR L4
L5            15 DUP REM L4 (0 DUPLICATES REMOVED)

=> s l5 not l2
L6             6 L5 NOT L2

=> d l6 bib abs 1-6

L6   ANSWER 1 OF 6  USPATFULL on STN
AN     2006:40616  USPATFULL
TI     Processes for incorporating nucleic acid sequences into an analyte or
       library of analytes
IN     Rabbani, Elazar, New York, NY, UNITED STATES
       Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
       Donegan, James J., Long Beach, NY, UNITED STATES
       Coleman, Jack, East Northport, NY, UNITED STATES
       Liu, Dakai, Islip, NY, UNITED STATES
PA     Enzo Life Sciences, Inc., New York, NY, UNITED STATES (U.S. corporation)
PI     US 2006035264       A1  20060216
AI     US 2005-237466      A1  20050927 (11)
RLI    Division of Ser. No. US 2002-96076, filed on 12 Mar 2002, PENDING
DT     Utility
FS     APPLICATION
LREP   ENZO BIOCHEM, INC., 527 MADISON AVENUE (9TH FLOOR), NEW YORK, NY, 10022,
       US
CLMN   Number of Claims: 69
ECL    Exemplary Claim: 1-413
DRWN   15 Drawing Page(s)
LN.CNT 4099
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB     This invention provides for compositions for use in real time nucleic
       acid detection processes. Such real time nucleic acid detection
       processes are carried out with energy transfer elements attached to
       nucleic acid primers, nucleotides, nucleic acid probes or nucleic acid
       binding agents. Real time nucleic acid detection allows for the
       qualitative or quantitative detection or determination of
       single-stranded or double-stranded nucleic acids of interest in a
       sample. Other processes are provided by this invention including
       processes for removing a portion of a homopolymeric sequence, e.g., poly
       A sequence or tail, from an analyte or library of analytes. Compositions
       useful in carrying out such removal processes are also described and
       provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6   ANSWER 2 OF 6  USPATFULL on STN
```

AN 2006:34199 USPATFULL
TI Processes for quantitative or qualitative detection of single-stranded or double-stranded nucleic acids
IN Rabbani, Elazar, New York, NY, UNITED STATES
Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Donegan, James J., Long Beach, NY, UNITED STATES
Coleman, Jack, East Northport, NY, UNITED STATES
Liu, Dakai, Islip, NY, UNITED STATES
PI US 2006029968 A1 20060209
AI US 2005-235516 A1 20050926 (11)
RLI Division of Ser. No. US 2002-96076, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP ENZO BIOCHEM, INC., 527 MADISON AVENUE (9TH FLOOR), NEW YORK, NY, 10022, US
CLMN Number of Claims: 275
ECL Exemplary Claim: 1-33
DRWN 15 Drawing Page(s)
LN.CNT 5182
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for compositions for use in real time nucleic acid detection processes. Such real time nucleic acid detection processes are carried out with energy transfer elements attached to nucleic acid primers, nucleotides, nucleic acid probes or nucleic acid binding agents. Real time nucleic acid detection allows for the qualitative or quantitative detection or determination of single-stranded or double-stranded nucleic acids of interest in a sample. Other processes are provided by this invention including processes for removing a portion of a homopolymeric sequence, e.g., poly A sequence or tail, from an analyte or library of analytes. Compositions useful in carrying out such removal processes are also described and provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 3 OF 6 USPATFULL on STN
AN 2006:27907 USPATFULL
TI Site- or sequence-specific process for cleaving analytes and library of analytes
IN Rabbani, Elazar, New York, NY, UNITED STATES
Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Donegan, James J., Long Beach, NY, UNITED STATES
Coleman, Jack, East Northport, NY, UNITED STATES
Liu, Dakai, Islip, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, UNITED STATES (U.S. corporation)
PI US 2006024738 A1 20060202
AI US 2005-237467 A1 20050927 (11)
RLI Division of Ser. No. US 2002-96076, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP ENZO BIOCHEM, INC., 527 MADISON AVENUE (9TH FLOOR), NEW YORK, NY, 10022, US
CLMN Number of Claims: 555
ECL Exemplary Claim: 1
DRWN 15 Drawing Page(s)
LN.CNT 6144
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for compositions for use in real time nucleic acid detection processes. Such real time nucleic acid detection processes are carried out with energy transfer elements attached to nucleic acid primers, nucleotides, nucleic acid probes or nucleic acid binding agents. Real time nucleic acid detection allows for the qualitative or quantitative detection or determination of single-stranded or double-stranded nucleic acids of interest in a

sample. Other processes are provided by this invention including processes for removing a portion of a homopolymeric sequence, e.g., poly A sequence or tail, from an analyte or library of analytes. Compositions useful in carrying out such removal processes are also described and provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 4 OF 6 USPATFULL on STN
AN 2006:27906 USPATFULL
TI Process for removal of homopolymeric sequence portion from analyte(s) and library of analytes
IN Babbani, Elazar, New york, NY, UNITED STATES
Stavrianopoulos, Jannis G., Baysnore, NY, UNITED STATES
Donegan, James J., Long Beach, NY, UNITED STATES
Coleman, Jack, East Northport, NY, UNITED STATES
Liu, Dakai, Islip, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, UNITED STATES (U.S. corporation)
PI US 2006024737 A1 20060202
AI US 2005-237442 A1 20050927 (11)
RLI Division of Ser. No. US 2002-96076, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP ENZO BIOCHEM, INC., 527 MADISON AVENUE (9TH FLOOR), NEW YORK, NY, 10022, US
CLMN Number of Claims: 17
ECL Exemplary Claim: 1-527
DRWN 15 Drawing Page(s)
LN.CNT 3943
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for compositions for use in real time nucleic acid detection processes. Such real time nucleic acid detection processes are carried out with energy transfer elements attached to nucleic acid primers, nucleotides, nucleic acid probes or nucleic acid binding agents. Real time nucleic acid detection allows for the qualitative or quantitative detection or determination of single-stranded or double-stranded nucleic acids of interest in a sample. Other processes are provided by this invention including processes for removing a portion of a homopolymeric sequence, e.g., poly A sequence or tail, from an analyte or library of analytes. Compositions useful in carrying out such removal processes are also described and provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 5 OF 6 USPATFULL on STN
AN 2006:27904 USPATFULL
TI Chimeric nucleic acid constructs and compositions comprising sets of nucleic acid constructs
IN Rabbani, Elazar, New York, NY, UNITED STATES
Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Donegan, James J., Long Beach, NY, UNITED STATES
Coleman, Jack, East Northport, NY, UNITED STATES
Liu, Dakai, Lslip, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, UNITED STATES (U.S. corporation)
PI US 2006024735 A1 20060202
AI US 2005-236151 A1 20050927 (11)
RLI Division of Ser. No. US 2002-96076, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP ENZO BIOCHEM, INC., 527 MADISON AVENUE (9TH FLOOR), NEW YORK, NY, 10022, US
CLMN Number of Claims: 52
ECL Exemplary Claim: 1-404

DRWN 15 Drawing Page(s)
LN.CNT 4013
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for compositions for use in real time nucleic acid detection processes. Such real time nucleic acid detection processes are carried out with energy transfer elements attached to nucleic acid primers, nucleotides, nucleic acid probes or nucleic acid binding agents. Real time nucleic acid detection allows for the qualitative or quantitative detection or determination of single-stranded or double-stranded nucleic acids of interest in a sample. Other processes are provided by this invention including processes for removing a portion of a homopolymeric sequence, e.g., poly A sequence or tail, from an analyte or library of analytes. Compositions useful in carrying out such removal processes are also described and provided.

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L6 ANSWER 6 OF 6 USPATFULL on STN
AN 2005:159178 USPATFULL
TI Real-time nucleic acid detection processes and compositions
IN Rabbani, Elazar, New York, NY, UNITED STATES
Stavrianopoulos, Jannis G., Baysnore, NY, UNITED STATES
Donegan, James J., Long Beach, NY, UNITED STATES
Coleman, Jack, East Northport, NY, UNITED STATES
Liu, Dakai, Islip, NY, UNITED STATES
PI US 2005137388 A1 20050623
AI US 2002-96076 A1 20020312 (10)
DT Utility
FS APPLICATION
LREP ENZO BIOCHEM, INC., 527 MADISON AVENUE (9TH FLOOR), NEW YORK, NY, 10022, US
CLMN Number of Claims: 542
ECL Exemplary Claim: 1
DRWN 15 Drawing Page(s)
LN.CNT 6158
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